

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A rewinder machine for ~~the~~
~~production of~~ producing rolls of web material ~~(N)~~ wound
around winding cores ~~(A1-A4)~~, comprising:
[[•]] = a first winding roller ~~(3)~~,
[[•]] = a second winding roller ~~(5)~~, defining with said
first winding roller ~~(3)~~ a winding cradle,
[[•]] = a feeder ~~(33)~~ for sequentially introducing winding
cores to said winding cradle,
[[•]] = a gluer ~~(21)~~ for applying glue on said cores,
~~characterized in that~~ wherein said feeder ~~(33)~~ includes at
least one element ~~(39)~~ for applying said glue to the winding
cores during their introduction to said winding cradle, said
element including at least one elongated member ~~(39)~~ that
can be immersed in a container ~~(41)~~ of glue arranged beneath
a zone for picking up the winding cores, said elongated
member covering itself in glue in said container and
transferring said glue by contact to each core sequentially
picked by said feeder.

2. (Currently Amended) A rewinder machine according
to claim 1, ~~characterized in that~~ wherein said feeder has
two elongated members ~~(39)~~.

3. (Currently Amended) A rewinder machine according to claims 1 or 2, ~~characterized in that~~ wherein said feeder includes two mobile arms ~~(35)~~ between which said at least one elongated member is supported.

4. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that~~ claim 1, wherein said feeder ~~(33)~~ oscillates around an axis ~~(37)~~ substantially parallel to ~~the axis~~ axes of the first winding roller and the second winding roller rollers.

5. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that~~ claim 3, wherein said elongated member ~~is composed of~~ comprises a wire or a cable stretched between the two mobile arms.

6. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that~~ claim 1, further comprising an extractor member ~~(53-62)~~, for extracting a roll ~~(R1)~~ formed in said winding cradle, ~~is~~ said extractor member being mechanically linked to said feeder ~~(33)~~.

7. (Currently Amended) A rewinder machine according to claim 6, ~~characterized in that~~ wherein said extractor member ~~(53-62)~~ oscillates around an axis parallel to ~~the~~ an

axis of at least one of said first winding roller or said second winding roller rollers.

8.. (Currently Amended) A rewinder machine according to claim 7, ~~characterized in that~~ wherein said extractor member is constrained around the axis of rotation ~~(5A)~~ of said second winding roller ~~(5)~~.

9. (Currently Amended) A rewinder machine according to ~~claims 6 or 7 or 8, characterized in that~~ claim 6, wherein said extractor member has a pick up surface ~~(61 and 62)~~ for rolls ~~(R)~~ to be unloaded from said winding cradle.

10. (Currently Amended) A rewinder machine according to claim 9, ~~characterized in that~~ wherein said extractor member includes a pair of oscillating arms ~~(59)~~ articulated around ~~the~~ an axis of rotation ~~(5A)~~ of the second winding roller ~~(5)~~, to which said pick up surface is rigidly constrained, and ~~that~~ said oscillating arms ~~(59)~~ are linked to said feeder ~~(33)~~ via tie rods ~~(55)~~ hinged to said arms and to said feeder.

11. (Currently Amended) A rewinder machine according to ~~claims 9 or 10, characterized in that~~ claim 9 or 10, wherein said pick up surface forms a ~~picking~~ chute ~~(61)~~ for said rolls.

12. (Currently Amended) A rewinder machine according to ~~claims 9 or 10, characterized in that~~ claim 9 or 10, wherein said pick up surface forms a rolling surface ~~(62)~~ for said rolls.

13. (Currently Amended) A rewinder machine according to ~~one or more of claims 9 to 12, characterized in that~~ claim 9 or 10, wherein said pick up surface ~~(62)~~ is shaped to insert itself between the roll and the second winding ~~rollers~~ roller, being substantially tangential to said second winding roller.

14. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that~~ claim 1, wherein said feeder ~~(33)~~ is manually controlled.

15. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that~~ claim 1, wherein said feeder is controlled by a main motor that also controls ~~the~~ rotation of said first winding roller and of said second winding ~~rollers~~ roller.

16. (Currently Amended) A rewinder machine according to ~~one or more of claims 1 a 14, characterized in that~~ claim 1, wherein said feeder is controlled by an independent actuator.

17. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that it includes~~ claim 1, further comprising a perforator ~~(9)~~ for perforating the web material along transversal perforation lines, and ~~that said perforator, is controlled by the same motor that controls~~ said first winding roller and said second winding ~~rollers~~ roller being controlled by a common motor.

18. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that~~ claim 1, wherein said first winding roller and said second winding ~~rollers~~ roller are controlled to assume, during at least part of ~~the~~ a winding cycle of a roll, mutually different peripheral speeds to facilitate introduction of the winding core through ~~the~~ a nip defined between said first winding roller and said second winding ~~rollers~~ roller.

19. (Currently Amended) A rewinder machine according to claim 18, ~~characterized in that the~~ wherein change in ~~the~~ peripheral ~~speed~~ speeds of said first winding roller and ~~the~~ second winding roller with respect to each other is manually controlled.

20. (Currently Amended) A rewinder machine according to ~~claims 18 or 19, characterized in that it includes~~ claim

18, further comprising a brake ~~(101-107)~~ for braking the second winding roller ~~(5)~~, temporarily changing the peripheral speed of the second winding roller with respect to ~~the~~ a peripheral speed of the first winding roller.

21. (Currently Amended) A rewinder machine according to claim 20, ~~characterized in that~~ wherein said brake is manually operated via a control that also operates said feeder.

22. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that it includes~~ claim 1, further comprising a feed channel ~~(47)~~ for the winding cores, said feeder ~~(33)~~ being equipped with a retaining surface ~~(51)~~ that holds the cores in said feed channel.

23. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that it includes~~ claim 1, further comprising a third winding roller ~~(8)~~ with a moveable axis.

24. (Currently Amended) A rewinder machine according to ~~one or more of the previous claims, characterized in that a gluing device (21)~~ claim 1, wherein the gluer is arranged downstream of said first winding roller and said second

winding ~~rollers~~ roller for gluing ~~the~~ a free end edge of the roll.

25. (Currently Amended) A rewinder machine according to claim 24, ~~characterized in that~~ wherein said gluer is manually controlled.

26. (Currently Amended) A rewinder machine according to ~~claims 24 or 25, characterized in that~~ claim 24, wherein said ~~gluing device~~ gluer has a support surface for the roll to be glued, with an opening ~~(31)~~ defining a position of equilibrium for said roll, and with a mobile element ~~(23)~~ for distributing the glue arranged beneath said opening.

27. (Currently Amended) A rewinder machine according to claim 26, ~~characterized in that~~ wherein said mobile ~~glue distribution~~ element is operated by a manual control ~~(27)~~.

28. (Currently Amended) A machine according to ~~one or more of claims 24 to 28, characterized in that it includes~~ claim 24, further comprising a pair of tie rods ~~(65 and 66)~~, controlled by ~~the same~~ a drive shaft ~~(63) used for also~~ controlling ~~the~~ movement of the feeder and ~~the~~ movement of said ~~gluing device~~ ~~(21)~~ gluer.

29. (Currently Amended) A machine according to claim 28, ~~characterized in that~~ wherein said ~~two~~ pair of tie rods are controlled by a pedal ~~(60)~~.

30. (Currently Amended) A machine according to ~~one or more of the previous claims, characterized in that~~ claim 1, wherein one of said first winding rollers roller or said second winding roller has a pliable cylindrical surface (5B).

31. (Currently Amended) A method for producing rolls of web material wound around winding cores: ~~in which~~ comprising
[[•]] = completing winding of a first roll (R1) ~~is completed~~ around a winding core in a winding cradle,
[[•]] = upon termination of winding said first roll, inserting a new winding core (A2) ~~is inserted~~ via a feeder (33) to said winding cradle and unloading the first roll ~~is unloaded~~ from the winding cradle, with glue being applied to said new winding core,
~~characterized in that~~ wherein said glue is applied on said new winding core via said feeder (33), which is immersed at least partially in a container of glue and lifted from ~~it~~ the container to ~~pick~~ the new winding core, said feeder pushing said winding core into a nip defined between a first winding roller and a second winding roller.

32. (Currently Amended) A method according to ~~claims 31,~~ characterized by claim 31, further comprising extracting

the winding core from the ~~finished~~ first roll upon completion of winding and recycling it the winding core for a subsequent winding cycle.

33. (Currently Amended) A rewinder machine for ~~the production of~~ producing rolls of web material ~~(N)~~ wound around winding cores ~~(A1-A5)~~, comprising:

[[•]] = a first winding roller ~~(3)~~,

[[•]] = a second winding roller ~~(5)~~, defining with said first winding roller ~~(3)~~ a winding cradle,

[[•]] = a feeder ~~(33)~~ for sequentially introducing winding cores to said winding cradle,

~~characterized in that~~ wherein an extractor member ~~(53-62)~~, for extracting a roll formed in said winding cradle, is mechanically linked to said feeder ~~(33)~~.

34. (Currently Amended) A rewinder machine according to claim 33, ~~characterized in that~~ wherein said extractor member oscillates around an axis parallel to ~~the~~ an axis of at least one of said first winding ~~rollers~~ roller or said second roller.

35. (Currently Amended) A rewinder machine according to claim 34, ~~characterized in that~~ wherein said extractor member is constrained around the axis ~~of rotation~~ ~~(5A)~~ of said second winding roller ~~(5)~~.

36. (Currently Amended) A rewinder machine according to ~~claims 33 or 34 or 35, characterized in that~~ claim 33, wherein said extractor member has a pick up surface ~~(61 and 62)~~ for rolls ~~(R)~~ to be unloaded from said winding cradle.

37. (Currently Amended) A rewinder machine according to claim 36, ~~characterized in that~~ wherein said extractor member ~~(53-62)~~ includes a pair of oscillating arms ~~(59)~~ articulated around the axis ~~of rotation (5A)~~ of the second winding roller ~~(5)~~, to which said pick up surface is rigidly connected, and ~~that~~ wherein said oscillating arms ~~(59)~~ are linked to said feeder ~~(33)~~ via tie rods ~~(55)~~ hinged to said arms and to said feeder.

38. (Currently Amended) A rewinder machine according to ~~claims 36 or 37, characterized in that~~ claim 36 or 37, wherein said pick up surface ~~(61)~~ forms a picking cradle for said rolls.

39. (Currently Amended) A rewinder machine according to ~~claims 36 or 37, characterized in that~~ claim 36 or 37, wherein said pick up surface ~~(62)~~ forms a rolling surface for said rolls.

40. (Currently Amended) A rewinder machine according to ~~one or more of claims 36 to 39, characterized in that~~ claim 36, wherein said pick up surface ~~(62)~~ is shaped to

insert itself between ~~the~~ a roll and the second winding roller, ~~being and is~~ substantially tangential to said second winding roller.

41. (Currently Amended) A machine according to ~~one or more of claims 33 to 40, characterized in that~~ claim 33, wherein one of said first winding rollers roller or said second winding roller has a pliable cylindrical surface (58).

42. (Currently Amended) A machine according to ~~one or more of claims 33 to 41 characterized by~~ claim 33, further comprising a pair of tie rods (65, 66), controlled by a common drive shaft (63) ~~used for controlling the~~ which also controls movement of the feeder and ~~the~~ movement of said ~~gluing device (21)~~ gluer.

43. (Currently Amended) A machine according to claim 42, ~~characterized in that~~ wherein said ~~two~~ pair of tie rods are controlled by a pedal (60).

44. (Currently Amended) A method for producing rolls of web material wound around ~~the~~ winding cores: ~~in which~~ comprising

[[•]] = completing winding of a first roll (R1) ~~is completed~~ in a winding cradle,

[[•]] = upon termination of said winding of said first roll, inserting a new winding core ~~(A2)~~ ~~is inserted~~ via a feeder ~~(33)~~ to said winding cradle and unloading the first roll ~~is unloaded~~ from the winding cradle via an extractor member ~~(51-61)~~,

~~characterized by controlling wherein~~ said feeder and said extractor member are controlled by ~~via~~ a common member.

45. (Currently Amended) A rewinder machine for ~~the~~ ~~production of~~ producing rolls of web material ~~(N)~~ wound around winding cores ~~(A1-A5)~~, comprising[[:]] a first winding roller ~~(3)~~; a second winding roller ~~(5)~~, defining with said first winding roller ~~(3)~~ a winding cradle; a feeder ~~(33)~~ for sequentially introducing winding cores to said winding cradle; a gluer ~~(21)~~ for gluing ~~the~~ a free end edge of the rolls made by said machine, characterized in that ~~and~~ a common actuator member ~~(60)~~ which controls ~~the~~ movement of said feeder and movement of said gluer ~~(21)~~.

46. (Currently Amended) A rewinding machine for ~~the~~ ~~production of~~ producing rolls of web material ~~(N)~~ wound around winding cores ~~(A1-A5)~~, comprising only two winding rollers ~~(3, 5)~~ forming a winding cradle, on which rolls of web material are sequentially formed, wherein said web material is fed continuously to said cradle, said winding

rollers ~~being kept into~~ are maintained in rotation during discharge of a completed roll and insertion of a new winding core.

47. (Currently Amended) A rewinding machine according to claim 46, wherein said cores and said web material are fed through a nip ~~(7)~~ formed between said two winding rollers ~~(3, 5)~~.

48. (Currently Amended) A method for subsequently forming rolls of web material wound around winding cores, ~~including the steps of:~~ comprising

[[•]] = providing a first winding roller and a second winding roller forming a winding cradle;

[[•]] = continuously feeding said web material to said winding cradle to form a roll in said cradle, ~~said roll being formed by~~ and contacting it the roll with only said two winding rollers and during formation of said roll;

[[•]] = upon completion of said roll, discharging said roll from said cradle, inserting a new core in said cradle and severing said web material[[,]] without interrupting feeding of said web material.